BRUHAT BANGALORE MAHANAGARA PALIKE

Project:- Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

ABSTRACT ESTIMATION-1

Widening and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17

Total			2.00	201232.00	402464.00
Providing supplying and erecting M.S. Tubuler Truss of all span as per drawing design with prefabricated applications using quality material and are durable reliable and corrosion and abrasion resistant. Trusses shall confirm to latest structural welding code. Quality shall be ensured parameters like shape, size, design gauge and polish. The trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The pipes includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc, complete as per specification. (P.No.43, I.No.7.29 of PW, P&IWTD SR 2018-19)	Kg				
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over			25052.00		
Widening and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17					
Total			25052.00	121.00	3031292.00
PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trpezoidal profiled sheet of approved make 1060mm width (1000mm cover width), 28-30 mm crest height with cest distance of 200 mm c/c with 2 ribs at the center for stiffening . The total coated thickness (TCT) of the sheet will be 0.47 mm i.e. 0.02 mm tolerance Zinc –Alu Alloy coating AZ 150 gsm as pe ASTM A924M755-550 mpa steel grade. 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling /self tapping screws of 25mm length,to be fixed over the existing purlins, rafters channel and trusses. (P.No.299, I.No.38.30 of PW,P&IWTD S.R 2018-19)	Sqm				
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over			954.00		
Widening and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17					
Total			954.00	750.00	715500.00
KSRRB M100-1 & M100-4.1. Conveying by Loading and unloading of moorum/debris. Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, including time for haulage and return trip complete as per specifications. MORTH-100/Chapter 1. Case-I) - Surface Road. (Page No.136, Iteam No-17.1 & 17.4 & note of P.No.139 of PW,P&IWTD S.R 2018-19)	Cum				
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over			716.16		
Widening and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17					
Total			716.16	132.00	94532.46
KSRRB M400-6.2: Construction of granular sub case by providing close graded material, spreading in uniform layers with motors grader on prepared surface, mixing by mix in place method by rotavator at OMC, and compacting with vibratory power roller to achieve the desired density, complete as per specifications. B, By mix in place method. (P.No.153, I.No.20.5 of PW, P&IWTD S.R 2018-19)	Cum				

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BRUHAT BANGALORE MAHANAGARA PALIKE

Project:- Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No. 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

ABSTRACT ESTIMATION-1

Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over Widening and Improvements to Road from BEL Circle to Mathikere Nover in Ward no:17		172.43		
	Total	172.43	2053.00	353988.83
KSSR M600-1 Construction of dry lean cement concrete mix 1:4:10 with OPC cement @ 160kg, with 25mm and down size graded coarse aggregate at 0.86cum and fine aggregates @ 0.43cum over a prepared sub-grade with (coarse and fine aggregate gradation after blending to be as per table 600-15.1; cement content not to be less than 160 kg/cum, optimum moisture content to be determined during trial length construction ,concrete strength not to less than 10 Mpa at 7 days, mixed in a batching plant transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonne vibratory roller, finishing and curing complete as per specifications MORTH specification No. 601, (P.No.158, I.No.22.1.2 of PW,P&IWTD S.R 2018-19)	Cum			
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over Widening and Improvements to Road from BEL Circle to Mathikere Nover in Ward no:17		172.43 5.28		
	Total	177.71	3998.00	710484.58
KSSR M600-2: Cement concrete pavement : construction of reinforced, dowel jointed, plaint cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplstisizer at 3lts conforming to IS: 1999 reaffirmed 2008, (Coarse and fine aggregate conforming to IS: 383) mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specification MORTH specification No. 602 (P.No.158, I.No.22.2.2 of PW,P&IWTD S.R 2018-19)	Cum			
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over Widening and Improvements to Road from BEL Circle to Mathikere Nover in Ward no:17		172.43 5.28		
	Total	177.71	6030.00	1071591.30
Vaccum De- writing with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HM of machinery Screed Vibratory Power Floater blade and disc etc. with all lead and lift. (P.No.101, I.No.22.7 of PW, P&IWTD SR 2018-19)	Sqm			
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over Widening and Improvements to Road from BEL Circle to Mathikere Nover in Ward no:17		1149.50		
	Total	1149.50	80.00	91960.00
Removing B.S.Slab of drain and Stacking . As Per Direction Of The Engineer Incharge	Sqm			

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple In Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

ABSTRACT ESTIMATION-1

Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over			0.00		
Widening and Improvements to Road from BEL Circle to Mathikere Temple in Ward no:17					
		Total	0.00		
Dismantling of existing structures like culverts, bridges, retaining walls, wood or other structure comprising of masonry, cement concrete, wood work, including T&P and scaffolding wherever necessary, steel work, including the dismantled material, disposal of unserviceable material and carting the serviceable material with all lifts complete as per specifications —do– II. By Mechanical Means. A. Cement Concrete. MORTH Specification No. 202 . As Per Direction Of The Engineer Incharge	Cum		106.00	0.00	
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over			0.00		
Widening and Improvements to Road from BEL Circle to Mathikere Temple in Ward no:17					
		Total	36.00		
		Schedule B	36.00		
		Upto 125 %	1.88		
		Above 125 %	2.34		
			33.66	459.00	1075.78
				458.90	15444.97
Chipping of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume including stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202. As Per Direction Of The Engineer Incharge	Cum				
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over			0.00		
Widening and Improvements to Road from BEL Circle to Mathikere Temple in Ward no:17			11.25		
		Total	11.25	1061.00	11936.25
Dismantling of existing structures like culverts, bridges, retaining walls, wood or other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, carting the dismantled material, disposal of unserviceable material and carting the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry.KSRRB M200- 15.2. –do– Rubble stone masonry in cement mortar. MORTH Specification No. 2. As Per Direction Of The Engineer Incharge	Cum				
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over			0.00		
Widening and Improvements to Road from BEL Circle to Mathikere Temple in Ward no:17			122.04		
		Total	122.04	417.00	50890.68
Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be spread neatly after breaking of clods complete as per specifications. MORTH Chapter 3 . As Per Direction Of The Engineer Incharge	Cum				

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

ABSTRACT ESTIMATION-1

Name of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over				
Widening and Improvements to Road from BEL Circle to Mathikere in Ward no:17		0.00		
	Total	1087.29		
	Schedule B	1087.29		
	Upto 125 %	424.73		
	Above 125 %	780.91		
Providing cement concrete 1:3:6 mix with crushed stone aggregate 40 mm size mechanically mixed, placed in foundation and compacted complete including curing complete as per specifications MORTH Publication No. 406 As Per Direction Of The Engineer Incharge	Cum	306.39	238.00 144.43	185925.69 44251.29
Name of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over				
Widening and Improvements to Road from BEL Circle to Mathikere in Ward no:17		0.00		
	Total	61.78		
Providing and laying Plain / Reinforced Cement Concrete design mix M20 with OPC @ 340kgs, with 20mm and down size graded granite coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with conplasshcizer @3lts confirming to IS9103-1999 Reaffirmed-2004 in Foundation complete as per Drawing and Technical Specification including cost of all materials, labour, HOM curing, form work, scaffolding and centering complete as per specifications. MORTH Specification No. 1500,1700 & 2100 . As Per Direction Of The Engineer Incharge	Cum	61.78	4524.00	279479.02
Name of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over				
Widening and Improvements to Road from BEL Circle to Mathikere in Ward no:17		0.00		
	Total	145.05		
	Schedule B	145.05		
	Upto 125 %	41.10		
	Above 125 %	51.38	5348.00	274753.50
Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping / welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (hooks and wastage shall not be measured and paid) cost of all labour, HOM complete as per specification. MORTH Publication No.1600 & 2200 TMT Bars Fe 500 . As Per Direction Of The Engineer Incharge	Ton	93.68	6332.80	593230.75
Name of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over				
Widening and Improvements to Road from BEL Circle to Mathikere in Ward no:17		0.00		
	Total	3.84		
	Schedule B	3.84		
	Upto 125 %	2.59		
	Above 125 %	3.24	65696.00	212855.04
Providing & laying precast drain cover slab of 100 mm thickness in CM including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In charge (0.90 x 0.60 x 0.10) . As Per Direction Of The Engineer Incharge	Sqm	0.60	91502.04	54967.98

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BRUHAT BANGALORE MAHANAGARA PALIKE

Project:- Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

ABSTRACT ESTIMATION-1

	Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00		
	Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		171.24		
	Total		171.24	2337.00	
	Schedule B		121.00		
	Upto 125 %		151.25	2337.00	353471.25
	Above 125 %		19.99	2501.99	50014.82
4	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge (1.2 x 0.60 x 0.25) . As Per Direction Of The Engineer Incharge	Sqm			
	Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00		
	Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		45.48		
	Total		45.48	5418.00	
	Schedule B		14.40		
	Upto 125 %		18.00	5418.00	97524.00
	Above 125 %		27.48	5800.51	159369.03
5	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.. As Per Direction Of The Engineer Incharge	Cum			
	Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00		
	Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17				
	Total		0.00	130.00	0.00
35	Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBSKSRB 14.6-2 (do - heavy duty cobble stones 60mm thick) . As Per Direction Of The Engineer Incharge	Sqm			
	Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00		
	Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		535.42		
	Total		535.42	1127.00	603418.34
37	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete.. As Per Direction Of The Engineer Incharge	m			
	Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00		

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BRUHAT BANGALORE MAHANAGARA PALIKE

Project:- Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No.17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

ABSTRACT ESTIMATION-1

Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17				
Total		641.00		
Providing and applying spray painting (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with exterior paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications . As per Direction Of The Engineer Incharge	Sqm	641.00	472.00	302552.00
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00		
Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		115.32		
Total		115.32		
Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 . As Per Direction Of The Engineer Incharge	Sqm	115.32	59.00	6803.88
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00		
Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		115.32		
Total		115.32	86.00	9917.52
Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of and electrical charges, etc., complete as per specifications.. As Per Direction Of The Engineer Incharge	Sqm			
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00		
Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17				
Total		0.00	6600.00	0.00
Excavation in Soil using Hydraulic Excavator CK 90 and Tippers with Disposal Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location etc complete as per specifications. MORTH Specification No.301 . As Per Direction Of The Engineer Incharge	Cum			
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00		
Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		673.97		
Total		673.97		
Schedule B		505.58		
Upto 125 %		631.97	142.00	89739.56
Above 125 %		42.00	142.83	5998.50

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BRUHAT BANGALORE MAHANAGARA PALIKE

Project:- Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

ABSTRACT ESTIMATION-1

Construction of granular sub-base Grading-V as sub base and drainage layer by providing coarse graded crushed stone aggregates of granite / trap / basalt material, mixing in mechanical mix plant at OMC carriage of the materials to work site, spreading in uniform layers with motor grader on prepared surface, and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications, as per MORTH V revision. I NO 20.5 P NO 153	Cum				
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00			
Widening and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		648.27			
Total		648.27			
Schedule B		168.52			
Upto 125 %		210.65	2100.00	442365.00	
Above 125 %		437.62	2014.87	881741.01	
SSRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum				
I NO:155, I NO=20.18					
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00			
Widening and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		692.68			
Total		692.68			
Schedule B		168.52			
Upto 125 %		210.65	2100.00	442365.00	
Above 125 %		482.03	2021.29	974327.81	
Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 Complete with all lead and lift and as per the direction of the Engineer-in-Charge. . As Per Direction Of The Engineer Incharge	Sqm				
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00			
Widening and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		1462.50			
Total		1462.50	30.00	43875.00	
Cleaning the existing black topped surface with brooms, soft brushes etc finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM & machineries complete as per specifications. MORTH / Chapter 5 Complete with all lead and lift and as per the direction of the Engineer-in-Charge Page . As Per Direction Of The Engineer Incharge	Sqm				
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00			
Widening and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		0.00			
Total		0.00	5.00	0.00	

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BRUHAT BANGALORE MAHANAGARA PALIKE

Project:: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

ABSTRACT ESTIMATION-1

Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications Clause 505 of morth V revision using 40/60 TPH capacity H.M.P. with mechanical paver Gr-II (50mm to 75mm) with 4.5% VG-30 Bitumen . As Per Direction Of The Engineer Incharge	Cum				
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00			
Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		96.21			
Total		96.21			
Schedule B		53.15			
Upto 125 %		66.44	8500.00	564718.75	
Above 125 %		29.78	6471.78	192703.63	
Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 . As Per Direction Of The Engineer Incharge	Sqm				
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00			
Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		1924.27			
Total		1924.27			
Schedule B		1123.50			
Upto 125 %		1404.38	13.00	18256.88	
Above 125 %		519.90	12.85	6679.20	
Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015 – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) . As Per Direction Of The Engineer Incharge	Cum				
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00			
Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		76.97			
Total		76.97			
Schedule B		44.94			
Upto 125 %		56.18	9500.00	533662.50	
Above 125 %		20.80	7846.43	163172.73	

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BRUHAT BA

Project:- Construction of Arch and F... HANAGARA PALIKE
Construction of RCC Roof for Ra... ...ocking Tiles In Front of Sai Baba Temple And
Improvements to R... ...ha Temple in Ward No 17 & Widening and
... Circle to Mattikere Fly Over

ABSTRACT ESTIMATION-1

ITEMS				
Road Marking with Hot Applied Thermoplastic Compound with Retroreflecting Glass Beads on Bituminous Surface:- Providing and laying hot applied thermoplastic compound 2.5 mm thick including retroreflecting glass beads at 250 gms per sqm area, thickness of 2.5 mm inclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 . As Per Direction Of the Engineer Incharge	Sqm			
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00		
Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17				
Total		0.00	456.00	0.00
KSRB 12-1: Providing and laying in position to required level or slope of internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints including cost of materials, labour charges complete as per specifications. Specification No. KBS 12.2.5/12.7 KSRB 12-1.9 : - d o - 230 mm I.No 11.4	Rmt			
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00		
Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		331.00		
Total		331.00	584.67	193525.37
KSRB 12-3 : Providing and laying in position plain cement concrete of mix M 7.5 using 40mm and down size graded granite / trap metal for haunching of internal diameter stoneware pipes, concrete machine mixed laid in layers not exceeding 15 cms thick, well compacted, including cost of materials, labour charges complete as per specifications. Specification No. KBS 4.1.7.4.2 I.No.11.22 P.No 73 230 mm	Rmt			
Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over		0.00		
Widenning and Improvements to Road from BEL Circle to Mathikere flyover in Ward no:17		331.00		
	Total	331.00	855.19	283066.96
Sub Total				25389363.41
Rounding off				4200.59
				25393564.00

Modified

TECHNICAL SANCTION

Rupees Two crore fifty ... three hundred and ... only

accorded under the head:

P. No. 06-07

... CE(R.R.N.)... Total

... tered as CE (R.R.N. No. 20/1/22-23 ... subject to the conditions contained in Technical memo

20/1/22-23 ... 26/05/22

CE (R.R.N.)

Assistant Executive Engineer
Yashwanthapura Sub Division

Executive Engineer
RR Nagara Division

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